

WHAT IS CLAIMED IS:

1. A terpene-free cleaning composition comprising:
  - (a) a C<sub>1-4</sub> alkyl ester of a C<sub>6-22</sub> saturated or unsaturated carboxylic acid;and
  - (b) a cyclic ketone, wherein (a) and (b) are employed at a ratio by weight of from about 10:1 to about 1:10.
2. The composition of claim 1 wherein the C<sub>1-4</sub> alkyl ester of a C<sub>6-22</sub> saturated or unsaturated carboxylic acid is a C<sub>6-14</sub> methyl ester.
3. The composition of claim 1 wherein the C<sub>1-4</sub> alkyl ester of a C<sub>6-22</sub> saturated or unsaturated carboxylic acid is a C<sub>8-10</sub> methyl ester.
4. The composition of claim 1 wherein the cyclic ketone is cyclohexanone.
5. The composition of claim 1 wherein (a) and (b) are employed at a ratio by weight of about 2:1.
6. A process for removing a coating from a substrate comprising contacting the coating with the composition of claim 1.
7. The process of claim 7 wherein the coating has a polymer matrix.
8. A terpene-free cleaning composition comprising:
  - (a) from about 2 to about 12% by weight of an oil-soluble anionic surfactant;
  - (b) from about 0.2 to about 6% by weight of a water-soluble anionic surfactant;
  - (c) from about 3 to about 96% by weight of a primary solvent consisting

of a C<sub>1-4</sub> alkyl ester of a C<sub>6-22</sub> saturated or unsaturated carboxylic acid;

(d) from about 2 to about 14% by weight of a short-chain cosurfactant;

and

(e) remainder, water, all weights being based on the total weight of the composition.

9. The composition of claim 8 wherein the oil-soluble anionic surfactant is selected from the group consisting of amine salts of dodecylbenzenesulfonic acid, calcium salts of dodecylbenzenesulfonic acid, phosphate esters and mixtures thereof.

10. The composition of claim 8 wherein the oil-soluble anionic surfactant is the isopropylamine salt of dodecylbenzenesulfonic acid.

11. The composition of claim 8 wherein the oil-soluble anionic surfactant is present in the composition in an amount of from about 6 to about 8% by weight, based on the weight of the composition.

12. The composition of claim 8 wherein the water-soluble anionic surfactant is selected from the group consisting of alkali metal salts of fatty acids, organic base salts of fatty acids, alkyl sulfates, alkyl ether sulfates, alkyl aromatic sulfonates, alkyl sulfonates, alpha olefin sulfonates, sulfosuccinates, and mixtures thereof.

13. The composition of claim 8 wherein the water-soluble anionic surfactant is C<sub>8-14</sub> fatty alcohol sulfate.

14. The composition of claim 8 wherein the water-soluble anionic surfactant is present in the composition in an amount of from about 1 to about

2% by weight, based on the weight of the composition.

15. The composition of claim 8 wherein the primary solvent is a C<sub>8</sub>-C<sub>10</sub> methyl ester.

16. The composition of claim 8 wherein the primary solvent is present in the composition in an amount of from about 40 to about 50% by weight, based on the weight of the composition.

17. The composition of claim 8 wherein the short-chain cosurfactant is selected from the group consisting of C<sub>3</sub>-C<sub>6</sub> alcohols, glycols, glycol ethers, pyrrolidones, glycol ether esters, and mixtures thereof.

18. The composition of claim 8 wherein the short-chain cosurfactant is propylene glycol n-butyl ether.

19. The composition of claim 8 wherein the short-chain cosurfactant is present in the composition in an amount of from about 8 to about 10% by weight, based on the weight of the composition.

20. The composition of claim 8 wherein the composition has a pH value of less than about 9.

21. The composition of claim 8 wherein the composition has a thermal stability ranging from about 10 to about 70°C.

22. The composition of claim 8 wherein the primary solvent and water are present in the composition in a ratio by weight ranging from about 50:1 to about 1:4.

23. The composition of claim 8 wherein the primary solvent and water are present in the composition in a ratio by weight of about 1.5:1.

24. The composition of claim 8 further comprising a cyclic ketone.
25. The composition of claim 24 wherein the cyclic ketone is cyclohexanone.
26. The composition of claim 24 wherein the cyclic ketone is present in the composition in an amount of from about 1 to about 35% by weight, based on the weight of the composition.
27. The composition of claim 24 wherein the cyclic ketone is present in the composition in an amount of from about 10 to about 20% by weight, based on the weight of the composition.
28. The composition of claim 24 wherein the primary solvent and cyclic ketone are present in the composition in a ratio by weight of from about 10:1 to about 1:10.
29. The composition of claim 24 wherein the primary solvent and cyclic ketone are present in the composition in ratio by weight of about 2:1.
30. A terpene-free cleaning composition comprising:
- (a) from about 6 to about 8% by weight of an isopropylamine salt of dodecylbenzenesulfonic acid.
  - (b) from about 1 to about 2% by weight of a C<sub>12-14</sub> fatty alcohol sulfate;
  - (c) from about 40 to about 50% by weight of a primary solvent consisting of a C<sub>8</sub>-C<sub>10</sub> methyl ester;
  - (d) from about 8 to about 10% by weight of a propylene glycol n-butyl ether and
  - (e) remainder, water, all weights being based on the total weight of the

composition, and wherein the primary solvent and water are present in the composition in a ratio by weight of about 1.5:1.

31. The composition of claim 30 further comprising from about 1 to about 35% by weight of a cyclic ketone.

32. The composition of claim 31 wherein the cyclic ketone is cyclohexanone.

33. A process for cleaning a hard surface comprising contacting the surface with a cleaning-effective amount of a terpene-free cleaning composition containing:

(a) from about 2 to about 12% by weight of an oil-soluble anionic surfactant;

(b) from about 0.2 to about 6% by weight of a water-soluble anionic surfactant;

(c) from about 3 to about 96% by weight of a primary solvent consisting of a  $C_{1-4}$  alkyl ester of a  $C_{6-22}$  saturated or unsaturated carboxylic acid;

(d) from about 2 to about 14% by weight of a short-chain cosurfactant; and

(e) remainder, water, all weights being based on the total weight of the composition.

34. The process of claim 33 wherein the oil-soluble anionic surfactant is selected from the group consisting of amine salts of dodecylbenzenesulfonic acid, calcium salts of dodecylbenzenesulfonic acid, phosphate esters, and mixtures thereof.

35. The process of claim 33 wherein the oil-soluble anionic surfactant is the isopropylamine salt of dodecylbenzenesulfonic acid.
36. The process of claim 33 wherein the oil-soluble anionic surfactant is present in the composition in an amount of from about 6 to about 8% by weight, based on the weight of the composition.
37. The process of claim 33 wherein the water-soluble anionic surfactant is selected from the group consisting of alkali metal salts of fatty acids, organic base salts of fatty acids, alkyl sulfates, alkyl ether sulfates, alkyl aromatic sulfonates, alkyl sulfonates, alpha olefin sulfonates, sulfosuccinates, and mixtures thereof.
38. The process of claim 33 wherein the water-soluble anionic surfactant is a C<sub>12</sub>-C<sub>14</sub> fatty alcohol sulfate.
39. The process of claim 33 wherein the water-soluble anionic surfactant is present in the composition in an amount of from about 1 to about 2% by weight, based on the weight of the composition.
40. The process of claim 33 wherein the primary solvent is a C<sub>8</sub>-C<sub>10</sub> methyl ester.
41. The process of claim 33 wherein the primary solvent is present in the composition in an amount of from about 40 to about 50% by weight, based on the weight of the composition.
42. The process of claim 33 wherein the short-chain cosurfactant is selected from the group consisting of C<sub>3</sub>-C<sub>6</sub> alcohols, glycols, glycol ethers, pyrrolidones, glycol ether esters, and mixtures thereof.

43. The process of claim 33 wherein the short-chain cosurfactant is propylene glycol n-butyl ether.
44. The process of claim 33 wherein the short-chain cosurfactant is present in the composition in an amount of from about 8 to about 10% by weight, based on the weight of the composition.
45. The process of claim 33 wherein the composition has a pH value of less than about 9.
46. The process of claim 33 wherein the composition has a thermal stability ranging from about 10 to about 70°C.
47. The process of claim 33 wherein the primary solvent and water are present in the composition in a ratio by weight ranging from about 50:1 to about 1:4.
48. The process of claim 33 wherein the primary solvent and water are present in the composition in a ratio by weight of about 1.5:1.
49. The process of claim 33 wherein the terpene-free cleaning composition further comprises from about 1 to about 35% by weight of a cyclic ketone.
50. The process of claim 49 wherein the cyclic ketone is cyclohexanone.
51. The composition of claim 8 further comprising a thickening agent.
52. The composition of claim 51 wherein the thickening agent is tetraalkyl ammonium bentonite.
53. The process of claim 33 wherein the cleaning composition further contains a thickening agent.
54. The process of claim 53 wherein the thickening agent is tetraalkyl

ammonium bentonite.